

# **WEST TEXAS UTILITIES COMPANY**

## **GOOD CENTS CONSTRUCTION SPECIFICATIONS**

### **NEW RESIDENTIAL CONSTRUCTION**

#### **PROGRAM OVERVIEW**

The Good Cents Program is a nationally recognized energy conservation program dedicated to reduction of energy costs through specific construction requirements and equipment efficiency standards. Good Cents homes are generally considered to be among the nation's lowest cost homes regarding energy use. Each home is inspected several times during construction to insure that all criteria are met. Upon completion, each home receives a Good Cents certification that will go with the records for the home.

#### **SPECIFICATIONS**

##### **SECTION 07 – THERMAL, MOISTURE & INFILTRATION PROTECTION**

- A. **CEILING INSULATION:** In flat ceilings where there is an attic, the insulation level shall be equivalent to R-30. If blown rockwool is used, the depth shall be 10". If blown fiberglass is used, the depth shall be 12". If fiberglass batts are used, the depth shall be 9". In vaulted or cathedral ceilings where the roof/ceiling combination is one system, use either 6" (R-19) or 9" (R-30) batts as required to fill the rafter space.
- B. **EXTERIOR WALL INSULATION:** All exterior walls shall have a minimum composite rating of R-16. Wet spray cellulose or rockwool shall be the base material with R-13 fiberglass batts being the alternate. Styrofoam sheathing shall have a minimum thickness of 1/2". All joints shall be sealed with reflective tape. If 2x6 wall construction is used, 6" wet spray cellulose or rockwool or R-19 fiberglass batts are sufficient.
- C. **INFILTRATION CONTROL:** Expandable foam shall be used around all windows and exterior doors and at all locations where a penetration occurs in the top plate (electrical, plumbing, mechanical). Silicone construction sealant shall be used on the inside of the sole plate continuous around the entire structure and between studs when ganged together along the exterior walls.
- D. **ATTIC VENTILATION:** The required ratio of ventilation area shall be 1 square foot of vent area per 300 square feet of ceiling area. Ventilation equipment shall be turbine vents or low profile "turtleback" vents and 4"x16" soffit vents @ 4'-0" o.c. maximum. Power ventilators are not recommended.

**SECTION 15 – MECHANICAL**

- A. **HVAC:** The heating and cooling system shall be electric heat pump(s) with a minimum SEER of 12.00 and HSPF of 7.5. All equipment shall be sized in accordance with the ACCA Manual J load calculation system. The supply and return air duct system shall be installed according to the latest SMACNA recommendations and shall be capable of delivering the proper amount of air to each room. All duct work shall be insulated with minimum 2” high density duct wrap with a minimum rating of R-6. As an alternate, a gas/electric system may be used. The SEER for cooling shall be minimum 12.00 and the AFUE for heating shall be minimum 90%. All other requirements apply.
- B. **WATER HEATER:** The water heater shall be electric with a minimum tank capacity of 40 gallons. The minimum energy rating shall be .90 E.F. (Energy Factor).